https://discuss.frappe.io/t/guide-how-to-install-erpnext-v15-on-linux-ubuntu-step-by-step-instructions/111706

:one: SERVER SETUP

1.1 Login to the server as root user

1.2 Setup correct date and timezone (important step as it impacts ERPNext usage)

Check the server’s current timezone

date

Set correct timezone as per your region

timedatectl set-timezone "Asia/Kolkata"

timedatectl set-timezone "Africa/Cairo"

1.3 Update & upgrade server packages

sudo apt-get update -y

sudo apt-get upgrade -y

1.4 Create a new user

We create this user as a security measure to prevent root user access.

This user will be assigned admin permissions and will be used as the main Frappe Bench user

- sudo adduser [frappe-user]

- sudo usermod -aG sudo [frappe-user]

اذا كان المستخدم root فلا نكتب sudo

usermod -aG sudo [frappe-user]

- su [frappe-user]

- cd /home/[frappe-user]/

Note: Replace [frappe-user] with your username. Eg. sudo adduser myname

- pwd

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For some cloud providers like AWS & Azure, you wont't have root password access so you can simply run sudo -i when you login to the server using the default user (eg. ubuntu in AWS)

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:two: INSTALL REQUIRED PACKAGES

Frappe Bench and ERPNext requires many packages to run smoothly. In this step we will install all the required packages for the system to work correctly.

Note: During the installation of these packages the server might prompt you to confirm if you want to continue installing the package [Y/n]. Just hit "y" on your keyboard to continue.

2.1 Install GIT

- sudo apt-get install git

Check if GIT is correctly installed by running git --version

2.2 Install Python

- sudo apt-get install python3-dev python3.10-dev python3-setuptools python3-pip python3-distutils

2.3 Install Python Virtual Environment

- sudo apt-get install python3.10-venv

Check if Python is correctly installed by running python3 -V

2.4 Install Software Properties Common (for repository management)

- sudo apt-get install software-properties-common

2.5 Install MariaDB (MySQL server)

- sudo apt install mariadb-server mariadb-client

Check if MariaDB is correctly installed by running mariadb --version

2.6 Install Redis Server

- sudo apt-get install redis-server

2.7 Install other necessary packages (for fonts, PDFs, etc)

- sudo apt-get install xvfb libfontconfig wkhtmltopdf

- sudo apt-get install libmysqlclient-dev

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:three: CONFIGURE MYSQL SERVER

3.1 Setup the server

sudo mysql_secure_installation

During the setup process, the server will prompt you with a few questions as given below. Follow the instructions to continue the setup;

Enter current password for root: (Enter your SSH root user password)

Switch to unix_socket authentication [Y/n]: Y

Change the root password? [Y/n]: Y

It will ask you to set new MySQL root password at this step. This can be different from the SSH root user password.

Remove anonymous users? [Y/n] Y

Disallow root login remotely? [Y/n]: N

This is set as N because we might want to access the database from a remote server for using business analytics software like Metabase / PowerBI / Tableau, etc.

Remove test database and access to it? [Y/n]: Y

Reload privilege tables now? [Y/n]: Y

3.2 Edit the MySQL default config file

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sudo vim /etc/mysql/my.cnf

sudo apt install nano

sudo nano /etc/mysql/my.cnf

Add the below code block at the bottom of the file;

```
[mysqld]
character-set-client-handshake = FALSE
character-set-server = utf8mb4
collation-server = utf8mb4_unicode_ci

[mysql]
default-character-set = utf8mb4
```

If you don’t know how to use VIM:

لحفظ الملف

CTRL+S

لغلق الملف

CTRL+X

Once the file is open, hit “i” key to start editing the file.

After you’re done editing the file hit “Esc + :wq” to save the file

3.3 Restart the MySQL server (for the config to take effect)

client_loop: send disconnect: Broken pipe

sudo service mysql restart

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:four: Instal CURL, Node, NPM and Yarn

4.1 Install CURL

- sudo apt install curl

4.2 Install Node

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curl https://raw.githubusercontent.com/creationix/nvm/master/install.sh | bash

source ~/.profile

nvm install 18

4.3 Install NPM

- sudo apt-get install npm

4.4 Install Yarn

- sudo npm install -g yarn

Check if Node is correctly installed by running node --version

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:five: INSTALL FRAPPE BENCH

5.1 Install Frappe Bench

- sudo pip3 install frappe-bench

Check if Frappe Bench is correctly installed by running bench --version

5.2 Initialize Frappe Bench

- bench init --frappe-branch version-15 frappe-bench

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5.3 Go to Frappe Bench directory

This will be the main directory from where we will be running all the commands.

The full path of this directory will be: /home/[frappe-user]/frappe-bench/

- ls

- cd frappe-bench/

5.4 Change user directory permissions

This will allow execution permission to the home directory of the frappe user we created in step 1.4

- chmod -R o+rx /home/[frappe-user]/

5.5 Create a New Site

We will use this as the default site where ERPNext and other apps will be installed.

- bench new-site site1.local

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ls

cd sites

ls

cd ..

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https://github.com/orgs/frappe/repositories?type=all

all apps & how-to dir

https://github.com/gavindsouza/awesome-frappe

:six: Install ERPNext and other Apps

Finally, we’re at the last stage of the installation process!

6.1 Download the necessary apps to our server

Download the payments apps . This app is required during ERPNext installation

- bench get-app payments

Download the main ERPNext app

- bench get-app --branch version-15 erpnext

Download the HR & Payroll app (optional)

- bench get-app hrms

Check if all the apps are correctly downloaded by running bench version --format table

6.2 Install all the Apps

Install the main ERPNext app

- bench --site site1.local install-app erpnext

Install the HR & Payroll app (optional)

- bench --site site1.local install-app hrms

Note: You might get some warnings / error messages while trying to install apps on the default site. These messages can be ignored and you can proceed further.

**** frappe-bench/sites$

sudo touch currentsite.txt

sudo nano currentsite.txt

**** bench use site1.local

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:seven: SETUP PRODUCTION SERVER

7.1 Enable scheduler service

- bench --site site1.local enable-scheduler

7.2 Disable maintenance mode

- bench --site site1.local set-maintenance-mode off

7.3 Setup production config

- sudo bench setup production [frappe-user]

7.4 Setup NGINX web server

- bench setup nginx

7.5 Final server setup

- sudo supervisorctl restart all
- sudo bench setup production [frappe-user]

When prompted to save new/existing config files, hit “Y”

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(hrms - payments - healthcare - agriculture - education   - lms

cd frappe-bench

bench get-app healthcare

bench --site site.com install-app healthcare

bench get-app education

bench --site site.com install-app education

لمعرفة اسم الsite

cd sites

ls

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Ready to Go!

You can now go to your server [IP-address]:80 and you will have a fresh new installation of ERPNext ready to be configured!

If you are facing any issues with the ports, make sure to enable all the necessary ports on your firewall using the below commands;

sudo ufw allow 22,25,143,80,443,3306,3022,8000/tcp

sudo ufw enable

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:eight: : Custom Domain & SSL Setup

For SSL configuration, you can run the following commands;

Before you begin, add an A record on your domain DNS and point it to the ERPN server IP address.

******cd /home/[frappe-user]/frappe-bench/

- su [frappe-user]

- ls

- cd frappe-bench

frappe-bench$

- bench config dns_multitenant on

bench setup add-domain [subdomain.yourdomain.com] --site [site-name]

bench setup nginx

sudo service nginx reload

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sudo apt update

sudo apt upgrade

sudo snap install core

sudo snap refresh core

sudo snap install --classic certbot

sudo ln -s /snap/bin/certbot /usr/bin/certbot

sudo certbot --nginx

su v15

اسم مستخدم فيرابى

su sayedcgs

الباسورد

sayedcgs

- cd

- ls

- cd frappe-bench

اسم الموقع على فيرابى

sayedv15.cgs

اسم الدومين للدخول من المتصفح

sayedv15.cgs

https://letsencrypt.org/documents/LE-SA-v1.3-September-21-2022.bdf